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(71) Applicant (for DE only): **PHILIPS INTELLECTUAL  
PROPERTY & STANDARDS GMBH** [DE/DE]; Stein-  
damm 94, 20099 Hamburg (DE).

(71) Applicant (for all designated States except DE, US):  
**KONINKLIJKE PHILIPS ELECTRONICS N. V.**  
[NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven  
(NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WENDT, Matthias**  
[DE/DE]; c/o Philips Intellectual Property & Standards  
GmbH, GmbH Weissshausstr. 2, 52066 Aachen (DE).  
**LÜRKENS, Peter** [DE/DE]; c/o Philips Intellectual Prop-  
erty & Standards GmbH, Weissshausstr. 2, 52066 Aachen  
(DE).

(74) Agents: **VOLMER, Georg et al.**; Philips Intellectual  
Property & Standards GmbH, Weissshausstr. 2, 52066  
Aachen (DE).

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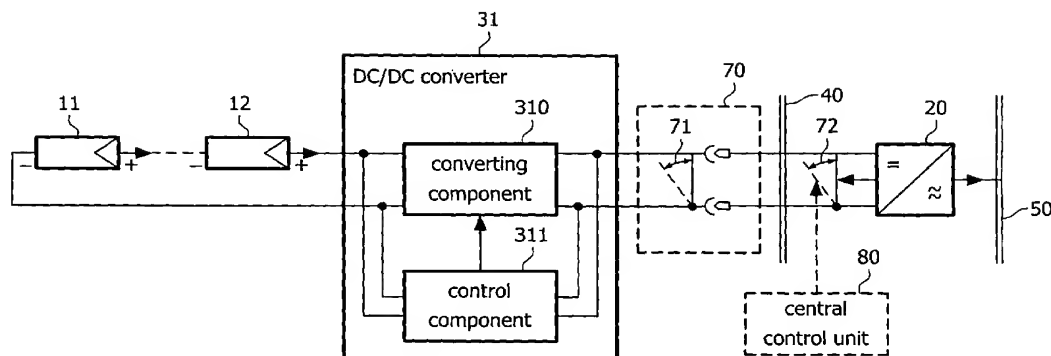
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(54) Title: DC/DC CONVERTER AND DECENTRALIZED POWER GENERATION SYSTEM COMPRISING A DC/DC CON-  
VERTER



(57) Abstract: The invention relates to a DC/DC converter for use in a decentralized power generation system. If a DC/DC converter is physically separated from a power receiving component and connected to such a power receiving component via a DC bus, a short-circuit on the DC bus may endanger the system and service personnel. In order to minimize such a risk, it is proposed that the DC/DC converter comprises a converting component for DC/DC converting a direct current supplied by a power generating unit and for supplying a resulting converted direct current to a DC bus, and that the DC/DC converter comprises in addition a control component arranged to monitor a voltage at the outputs of the DC/DC converter and to cause the converting component to enter a short-circuit protection mode if the monitored voltage lies below a predetermined voltage threshold. The invention relates equally to a corresponding system and to a corresponding method.

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